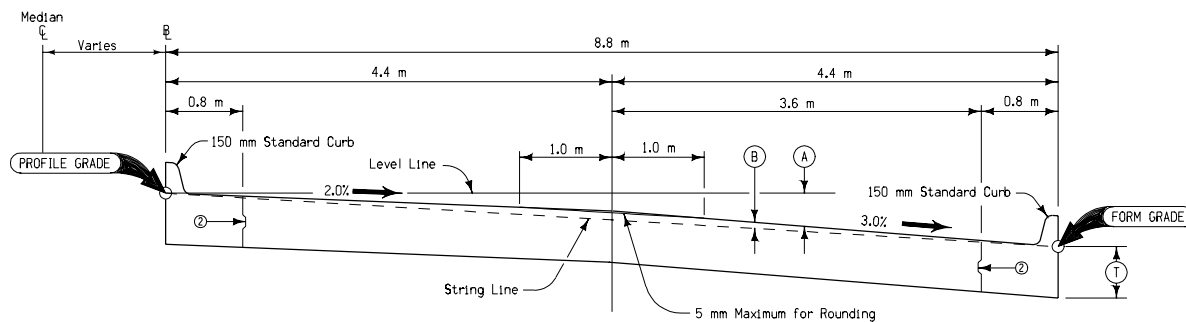


TYPICAL PAVEMENT PLAN



TYPICAL CROSS SECTION

GENERAL NOTES:

Details indicated on the plan are intended to illustrate the general requirements for Two-lane P.C. Concrete Pavements 8.8 meters in width.

Refer to Standard Road Plans RH-50, 51 and 52 for details of construction of joints in pavement. Transverse Joints will be 'CD' except when 'C' joints are specifically required as a part of detail project plans or when T is less than 200 millimeters.

Normal crown shall be a straight line sloped from the profile grade for the distance and rate indicated. This crown may be varied through superelevated curves and intersection areas where special shaping is required or other areas specifically authorized by the Engineer.

Unless specified otherwise in the detail project plans it is the contractor's option to construct 8.8 meter PCC pavement in one of the following options:

- (A) Pour full 8.8 meter back to back section.
- (B) Pour the center 7.2 meters of the 8.8 meter back to back section and then pour the 0.8 meter curb and gutter section separately.

The price bid for "Standard or Slip-Forn PCC pavement" class and thickness as specified, in square meters including all required joints, shall be considered full compensation for the construction of pavement as detailed hereon.

- ① Transverse joint spacing: 6.0 meters (normal) for 'CD' joint (no dowels in outside 1.1 meters of pavement); 4.5 meters (normal) for 'C' joint.
- ② Optional: 'BT-1' Joint if pavement thickness is less than 200 millimeters. 'KT-2' Joint, if pavement thickness is 200 millimeters or greater.
- ③ Quantities include 150 millimeter curb.
- ④ Joints will be:
'L-1' or 'BT-1' for T less than 200 millimeters.
'L-2' or 'KT-2' for T greater or equal to 200 millimeters.

All dimensions given in millimeters unless noted.

OFFSETS FOR 8.8 m PAVEMENT WITH 150 mm STANDARD CURBS												
Distance From B	0	1.0 m	2.0 m	3.0 m	4.0 m	4.4 m	5.0 m	6.0 m	7.0 m	8.0 m	8.8 m	
(A)	mm	0	20	40	60	80	88	106	136	166	196	220
(B)	mm	0	5	10	15	20	22	19	14	9	4	0

PER STATION DESIGN VALUES FOR (8.8 m B-B) PAVEMENT SECTION ③												
ITEM	UNIT	T=150	T=160	T=170	T=180	T=190	T=200	T=210	T=220	T=230	T=240	T=250
Section Area	m ²	1.369	1.457	1.545	1.633	1.721	1.809	1.897	1.985	2.073	2.161	2.249
Concrete Volume	m ³	136.9	145.7	154.5	163.3	172.1	180.9	189.7	198.5	207.3	216.1	224.9
Surface Area	m ²	880	880	880	880	880	880	880	880	880	880	880

M	Iowa Department of Transportation Highway Division	
	STANDARD ROAD PLAN	RH-48
	REVISION: Remove skewed joints.	
	REVISION NO. 4 REVISION DATE 04-30-02	
	APPROVED BY DESIGN METHODS ENGINEER	
METRIC VERSION	NON-REINFORCED FOUR LANE 8.8 m P. C. CONCRETE PAVEMENT DIVIDED ROADWAY	